

New Generation in Ventilation



**The latest heat recovery unit
on European market.**
The most advanced technology nowadays

- Energy saving
- Ecological
- Efficient



■ DAYTONA 250 ■ DAYTONA 350

The best ventilation units with heat recovery



- Energy saving
- Ecological
- Efficient

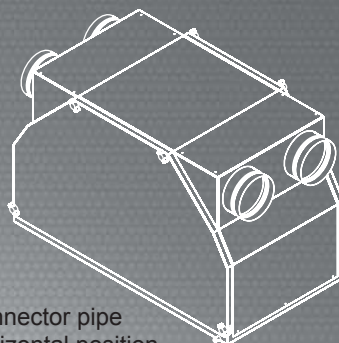
Central HRU are the main point of mechanical ventilation system with heat recovery . Trying to satisfy customers, Dospel produced the latest and the most advanced products on the market. This excellent unique units were patented for new technical design which was achieved by ensuring safeness, functionality, reliability with very good working parameters. The Daytona series are equipped with continuous current (DC) motors which are energysaving and more efficient.

■ Construction of the Daytona 250 and Daytona 350 Futura.

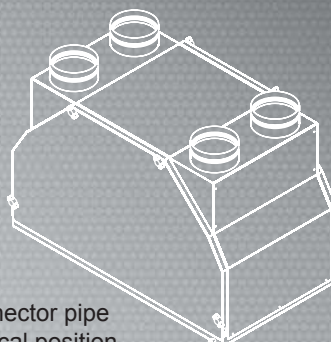
- inside casing is made from moulder foams ensuring solidity and high thermal insulation
- outside casing is made of light PVC plastic ABS, reducing weight of unit, improving heat recovering and condensate drainage
- EU3 filters ensure clean air
- set of inlets and outlets is fixed to the unit by screws which allows to change the air direction from horizontal into vertical, what ease installation and reduce its cost
- motors and controls are fixed to one base, electrical parts separated from service section what enables user friendly secure and safe maintenance
- service section is equipped with filters and heat exchanger. This parts should be serviced from time to time in order to ensure reliable condition of operation and the efficient comfort of ventilation.

The Daytona unit is lightweight and has numerous advantages including;

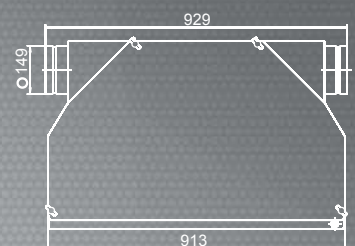
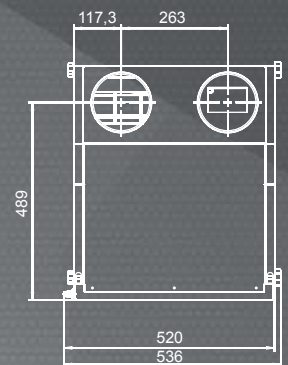
- simple and lightweight construction
- energysaving DC motorso
- heat recovery up to 95%
- changeable direction of air inlets and outlets promoting the ease of installation to adjoining horizontal and vertical ducting
- functional steering module with optional connection to „intelligent house“
- simple in use controls with touch panel, and option of weekly timerm



connector pipe
horizontal position



connector pipe
vertical position



■ DAYTONA 250 ■ DAYTONA 350

The best ventilation units with heat recovery

Technical data	DAYTONA 250	DAYTONA 350
Air flow	250 m ³ /H	350 m ³ /h
Pressure	0-480 Pa	0-550 Pa
Power consumption	max. 80 W	max. 120 W
Efficiency of heat recovery	up to 95%	up to 95%
Current of unit	230 VAC/ 50 Hz	230 VAC/ 50 Hz
Current of motors	48 VDC	48 VDC
Motor speed	2400 revolution/min	2930 revolution/min
Type of bearing	sleve	sleve
Accoutic pressure	up to 50 dB(A)/1m	up to 52 dB(A)/1m
Insulation class	I	I
IP rating	IP 44	IP 44
Weight	25 kg	25 kg
Size(L x W x H)		
- Connector pipe horizontal position	915 mm x 580 mm x 530 mm	915 mm x 580 mm x 530 mm
- Connector pipe vertical position	915 mm x 650 mm x 530 mm	915 mm x 650 mm x 530 mm
Diameter of connection to ventilation	150 mm	150 mm
A minimum temperature of ventilation units operation	5°C	5°C
Power consumption in the normal work course/ in the antifreezing course (work of heater)	Max. 130 W / 600W	Max. 130 W / 600W
Steering signal	PWM / 0 -10V	PWM / 0 -10V

- In brand new buildings there is only one efficient energy saving solution – and this is extract – supply unit with heat recovery from Dospel
- Daytona ventilation unit is example of excellence engineering dedicated to Comfort max ventilation system from Dospel
- Constructor and the best Dospel's engineers use only these technical solutions, which ensure the largest comfort for user

Comparison of available units on the ventilation market HRU, shows that Daytona 350 takes first place among the most energy saving and efficient ecological units.

■ Touch panel controls for heat recovery units

The touch panel control is intended for work coordination of ventilation system for individual houses and small buildings. It cooperates closely with heat recovery units Daytona offered by Dospel. All functions of control are realized automatically, and there is no necessity for any interference in settings of the unit.

The control of summer BY-PASS and defrosting of recovery or GWC are based on measuring temperatures supervised by program of the unit.



Main advantages of controls are

- weekly timer (5 setting options for each day)
- illuminated touch panel
- option for steering of outside heater
- preheater for protection of heat exchanger
- automatic summer by-pass
- dust sensors on filters
- cooperation with Ground water System, the (GWC) max system utilizing free ground energy, conductive ground pipes and a Water-Air transfer Coil (WCP)
- digital measurement of temperature

Electrical parameters

Power	230V / 50Hz
Diameters of power and transmitter wires	Min: 1,5 mm ² Recommended : 2,5 mm ²
Transmission protocol	RS 485
Type of transmitters	Omron SPST / SPDT
Max current for joining connections	12A

Display

Type of display	LCD, touch
Functional buttons	digitalis , icons
Format of time	12 or 24 hrs

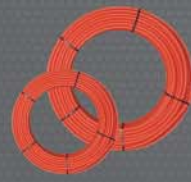
Use conditions

Working temperature	0 ~ 40°C current of joint < 8A 0 ~ 30°C current of joint > 8A
Humidity	RH 10% ~ 90%
Insulation class	IP 30

■ Ventilation system Comfort Max



■ GWC Max module



■ Pipes for the GWC max System



■ Acustifleks acoustic duct



■ ANM Blow/Exhaust air diffusers

DAYTONA 350 Futura



■ Termofleks Fleksible Pipe



■ „Portki” Three - way Adapter



■ DOSPEL

- Company with over 30 years experience

History of Dospel company began in 1974 year, when in Konopiska, near Czestochowa, Mr Boguslaw Mysliwiec established a small servicing shop which specialized in motors repairing.

The shop quickly gained customers' confidence. The owner decided to develop his business profile. Huge step for company development was production for electrical domestic market. In year 1980 the company as the first in Poland started to produce the waiving irons. The products in that time were distributed throughout all regions of Poland. Dynamic increase in this market resulted in other products investments. Six years later in 1985 – in buildings at Lesna street in Czestochowa the first fans were produced.



The primary ventilation products from production lines were simple 100mm diameter domestic wall fans. 20 people were working in company at that time.

In early 1990's Dospel Company began dynamic development . The production for massive scale has started. At Lesna street were build two halls (250 and 300m2).

After 1995 Dospel has chosen fans production as main products. The professional distribution networks and export markets were developed. Range of products has been adapted to changing customers needs. Quality and aesthetic parameters were becoming more and more important issue. Thanks to this Dospel products achieved clients approval confirmed by international certificates. They are the best conformity of quality and safeness. Range of products is still increasing. First foreign branches were opened e.g. in Kaliningrad, Berlin.

Authorized sales points were opened in whole Europe. The Dospel Products are available in 42 countries.

Headquarters has increased staff up to 250 people. In year 2002 the company is reform into limited company. In that time mission of the company is created for further future: "Maximum satisfaction of the customer and complex satisfy of his needs, throughout delivering products in constant high and guaranteed quality in excellent price. In year 2003 the complex of buildings was bought in Gnaszyn district in Czestochowa.

Nowadays the headquarters of Dospel Limited is located at 186 Glowna street in Czestochowa.

www.dospel.com

The manufacturer reserves all rights for technical changes, and errors in texts without any notice.